

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-18. (Canceled).

19. (Previously Presented) A transmission apparatus comprising:

a converting section to which a first information sequence comprising a plurality of bits in series and a second information sequence comprising a plurality of bits in series are input through different routes and that divides each of the first information sequence and the second information sequence so as to generate a sequence of bits including at least one bit of the first information sequence and at least one bit of the second information sequence, in which the first information sequence is more important than the second information sequence; and

a modulation section that modulates the sequence of bits to provide a transmission signal in such a way that each of the symbols in the transmission signal is expressed using three or more bits on an orthogonal coordinate system including an in-phase component and a quadrature component,

wherein a bit corresponding to the first information sequence is arranged on at least the first bit of each of the symbols, and

bits corresponding to the first information sequence are arranged on both the first bit and the second bit of at least one of the symbols.

20. (Previously Presented) The transmission apparatus according to claim 19, wherein the first information sequence is important according to the level of importance for maintaining a normal communication.

21. (Canceled).

22. (Currently Amended) The transmission apparatus according to claim ~~21~~ 19, wherein information to be arranged on one or both of the first bit and the second bit of each symbol of the transmission signal can be changed at any time according to the level of importance.

23. (Previously Presented) The transmission apparatus according to claim 19, wherein the first information is separated from all information to be communicated and the second information is other than the first information among all the information to be communicated.

24. (Previously Presented) The transmission apparatus according to claim 19, further comprising a circuit that performs inverse Fourier transform processing on the modulated first information and second information.

25. (Previously Presented) A base station apparatus comprising the transmission apparatus of any one of claims 19 to 24, wherein the base station apparatus transmits the transmission signal via an antenna.

26. (Previously Presented) A communication terminal apparatus comprising the transmission apparatus of any one of claims 19-24, wherein the communication terminal apparatus transmits the transmission signal via an antenna.

27. (Previously Presented) A transmission method comprising the steps of:

inputting a first information sequence comprising a plurality of bits in series and a second information sequence comprising a plurality of bits in series through different routes;

dividing each of the first information sequence and the second information sequence so as to generate a sequence of bits including at least one bit of the first information sequence and at least one bit of the second information sequence, in which the first information sequence is more important than the second information sequence; and

modulating the sequence of bits to provide a transmission signal in such a way that each of the symbols is expressed using three or more bits on an orthogonal coordinate system including an in-phase component and a quadrature component,

wherein a bit corresponding to the first information sequence is arranged on at least the first bit of each of the symbols, and bits corresponding to the first information sequence are arranged on both the first bit and the second bit of at least one of the symbols.

28. (Previously Presented) The transmission method according to claim 27, wherein the first information sequence is important according to the level of importance for maintaining a normal communication.

29. (Canceled).

30. (Currently Amended) The transmission apparatus according to claim ~~29~~ 27, wherein information to be arranged on one or both of the first bit and the second bit of each symbol of the transmission signal can be changed at any time according to the level of importance.